RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/649,413A_

Source: _1Fw16,_

Date Processed by STIC: _4/4/07_

ENTERED

RAW SEQUENCE LISTING   DATE: 04/04/2007
PATENT APPLICATION: US/10/649,413A   TIME: 14:56:24

Input Set : N:\efs\04_04_07\10649413A_efs\224160_ST25_2.txt
Output Set: N:\CRF4\04042007\J649413A.raw

```
   4 <110> APPLICANT: Ullrich, Axel
   5        Bange, Johannes
   6        Knyazev, Pjotr
   8 <120> TITLE OF INVENTION: Use of inhibitors for the treatment of RTK-hyperfunction-
induced
   9        disorders, particularly cancer
  11 <130> FILE REFERENCE: 205884
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/649,413A
C--> 14 <141> CURRENT FILING DATE: 2003-08-27
  16 <150> PRIOR APPLICATION NUMBER: PCT/EP99/00405
  17 <151> PRIOR FILING DATE: 1999-01-22
  19 <150> PRIOR APPLICATION NUMBER: DE 198 02 377.4
  20 <151> PRIOR FILING DATE: 1998-01-22
  22 <160> NUMBER OF SEQ ID NOS: 9
  24 <170> SOFTWARE: PatentIn Ver. 3.4
  26 <210> SEQ ID NO: 1
  27 <211> LENGTH: 25
  28 <212> TYPE: PRT
  29 <213> ORGANISM: Homo sapiens
  31 <220> FEATURE:
  32 <221> NAME/KEY: DOMAIN
  33 <222> LOCATION: (1)..(25)
  34 <223> OTHER INFORMATION: amino acid sequence of
  35        FGFR-4 (mutant) between positions 366-390
  37 <400> SEQUENCE: 1
  38 Arg Tyr Thr Asp Ile Ile Leu Tyr Ala Ser Gly Ser Leu Ala Leu Ala
  39   1               5                  10                  15
  41 Val Leu Leu Leu Leu Ala Arg Leu Tyr
  42              20                  25
  44 <210> SEQ ID NO: 2
  45 <211> LENGTH: 25
  46 <212> TYPE: PRT
  47 <213> ORGANISM: Homo sapiens
  49 <220> FEATURE:
  50 <221> NAME/KEY: DOMAIN
  51 <222> LOCATION: (1)..(25)
  52 <223> OTHER INFORMATION: amino acid sequence of
  53        FGFR-4 (wild-type) between positions 366-390
  55 <400> SEQUENCE: 2
  56 Arg Tyr Thr Asp Ile Ile Leu Tyr Ala Ser Gly Ser Leu Ala Leu Ala
  57   1               5                  10                  15
  59 Val Leu Leu Leu Leu Ala Gly Leu Tyr
  60              20                  25
  62 <210> SEQ ID NO: 3
```

```
 63 <211> LENGTH: 29
 64 <212> TYPE: DNA
 65 <213> ORGANISM: artificial sequence
 67 <220> FEATURE:
 68 <223> OTHER INFORMATION: PCR primer for the amplification of FGFR-4 (wild-type and
mutant)
 70 <400> SEQUENCE: 3
 71 gctcagaggg cgggcggggg tgccggccg                                29
 73 <210> SEQ ID NO: 4
 74 <211> LENGTH: 33
 75 <212> TYPE: DNA
 76 <213> ORGANISM: artificial sequence
 78 <220> FEATURE:
 79 <223> OTHER INFORMATION: PCR primer for the amplification of FGFR-4 (wild-type and
mutant)
 81 <400> SEQUENCE: 4
 82 ccgctcgagt gcctgcacag ccttgagcct tgc                          33
 84 <210> SEQ ID NO: 5
 85 <211> LENGTH: 24
 86 <212> TYPE: DNA
 87 <213> ORGANISM: artificial sequence
 89 <220> FEATURE:
 90 <223> OTHER INFORMATION: PCR primer for the amplification of the transmembrane domain
of FGFR-4
 91        (wild-type and mutant)
 93 <400> SEQUENCE: 5
 94 gaccgcagca gcgcccgagg ccag                                    24
 96 <210> SEQ ID NO: 6
 97 <211> LENGTH: 23
 98 <212> TYPE: DNA
 99 <213> ORGANISM: artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: PCR primer for the amplification of the transmembrane domain
of FGFR-4
103        (wild-type and mutant)
105 <400> SEQUENCE: 6
106 agagggaaga gggagagctt ctg                                     23
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 28
110 <212> TYPE: DNA
111 <213> ORGANISM: artificial sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: primer for sequencing of the transmembrane domain of FGFR-4
115        (wild-type and mutant)
117 <400> SEQUENCE: 7
118 gggaattcga ccgcagcagc gcccgagg                                28
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 25
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: primer for sequencing of the transmembrane domain of FGFR-4
127        (wild-type and mutant)
```

RAW SEQUENCE LISTING   DATE: 04/04/2007
PATENT APPLICATION: US/10/649,413A   TIME: 14:56:24

Input Set : N:\efs\04_04_07\10649413A_efs\224160_ST25_2.txt
Output Set: N:\CRF4\04042007\J649413A.raw

129 <400> SEQUENCE: 8
130 gctctagaag agggaagagg gagag   25
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 802
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 9
140 Met Arg Leu Leu Leu Ala Leu Leu Gly Val Leu Leu Ser Val Pro Gly
141 1   5   10   15
144 Pro Pro Val Leu Ser Leu Glu Ala Ser Glu Glu Val Glu Leu Glu Pro
145   20   25   30
148 Cys Leu Ala Pro Ser Leu Glu Gln Gln Glu Gln Glu Leu Thr Val Ala
149   35   40   45
152 Leu Gly Gln Pro Val Arg Leu Cys Cys Gly Arg Ala Glu Arg Gly Gly
153   50   55   60
156 His Trp Tyr Lys Glu Gly Ser Arg Leu Ala Pro Ala Gly Arg Val Arg
157 65   70   75   80
160 Gly Trp Arg Gly Arg Leu Glu Ile Ala Ser Phe Leu Pro Glu Asp Ala
161   85   90   95
164 Gly Arg Tyr Leu Cys Leu Ala Arg Gly Ser Met Ile Val Leu Gln Asn
165   100   105   110
168 Leu Thr Leu Ile Thr Gly Asp Ser Leu Thr Ser Ser Asn Asp Asp Glu
169   115   120   125
172 Asp Pro Lys Ser His Arg Asp Pro Ser Asn Arg His Ser Tyr Pro Gln
173   130   135   140
176 Gln Ala Pro Tyr Trp Thr His Pro Gln Arg Met Glu Lys Lys Leu His
177 145   150   155   160
180 Ala Val Pro Ala Gly Asn Thr Val Lys Phe Arg Cys Pro Ala Ala Gly
181   165   170   175
184 Asn Pro Thr Pro Thr Ile Arg Trp Leu Lys Asp Gly Gln Ala Phe His
185   180   185   190
188 Gly Glu Asn Arg Ile Gly Gly Ile Arg Leu Arg His Gln His Trp Ser
189   195   200   205
192 Leu Val Met Glu Ser Val Val Pro Ser Asp Arg Gly Thr Tyr Thr Cys
193   210   215   220
196 Leu Val Glu Asn Ala Val Gly Ser Ile Arg Tyr Asn Tyr Leu Leu Asp
197 225   230   235   240
200 Val Leu Glu Arg Ser Pro His Arg Pro Ile Leu Gln Ala Gly Leu Pro
201   245   250   255
204 Ala Asn Thr Thr Ala Val Val Gly Ser Asp Val Glu Leu Leu Cys Lys
205   260   265   270
208 Val Tyr Ser Asp Ala Gln Pro His Ile Gln Trp Leu Lys His Ile Val
209   275   280   285
212 Ile Asn Gly Ser Ser Phe Gly Ala Val Gly Phe Pro Tyr Val Gln Val
213   290   295   300
216 Leu Lys Thr Ala Asp Ile Asn Ser Ser Glu Val Glu Val Leu Tyr Leu
217 305   310   315   320
220 Arg Asn Val Ser Ala Glu Asp Ala Gly Glu Tyr Thr Cys Leu Ala Gly
221   325   330   335

RAW SEQUENCE LISTING   DATE: 04/04/2007
PATENT APPLICATION: US/10/649,413A   TIME: 14:56:24

Input Set : N:\efs\04_04_07\10649413A_efs\224160_ST25_2.txt
Output Set: N:\CRF4\04042007\J649413A.raw

```
224 Asn Ser Ile Gly Leu Ser Tyr Gln Ser Ala Trp Leu Thr Val Leu Pro
225             340             345         350
228 Glu Glu Asp Pro Thr Trp Thr Ala Ala Ala Pro Glu Ala Arg Tyr Thr
229         355             360             365
232 Asp Ile Ile Leu Tyr Ala Ser Gly Ser Leu Ala Leu Ala Val Leu Leu
233     370             375             380
236 Leu Leu Ala Gly Leu Tyr Arg Gly Gln Ala Leu His Gly Arg His Pro
237 385             390             395             400
240 Arg Pro Pro Ala Thr Val Gln Lys Leu Ser Arg Phe Pro Leu Ala Arg
241             405             410             415
244 Gln Phe Ser Leu Glu Ser Gly Ser Ser Gly Lys Ser Ser Ser Ser Leu
245         420             425             430
248 Val Arg Gly Val Arg Leu Ser Ser Ser Gly Pro Ala Leu Leu Ala Gly
249         435             440             445
252 Leu Val Ser Leu Asp Leu Pro Leu Asp Pro Leu Trp Glu Phe Pro Arg
253     450             455             460
256 Asp Arg Leu Val Leu Gly Lys Pro Leu Gly Glu Gly Cys Phe Gly Gln
257 465             470             475             480
260 Val Val Arg Ala Glu Ala Phe Gly Met Asp Pro Ala Arg Pro Asp Gln
261         485             490             495
264 Ala Ser Thr Val Ala Val Lys Met Leu Lys Asp Asn Ala Ser Asp Lys
265         500             505             510
268 Asp Leu Ala Asp Leu Val Ser Glu Met Glu Val Met Lys Leu Ile Gly
269         515             520             525
272 Arg His Lys Asn Ile Ile Asn Leu Leu Gly Val Cys Thr Gln Glu Gly
273     530             535             540
276 Pro Leu Tyr Val Ile Val Glu Cys Ala Ala Lys Gly Asn Leu Arg Glu
277 545             550             555             560
280 Phe Leu Arg Ala Arg Arg Pro Pro Gly Pro Asp Leu Ser Pro Asp Gly
281             565             570             575
284 Pro Arg Ser Ser Glu Gly Pro Leu Ser Phe Pro Val Leu Val Ser Cys
285         580             585             590
288 Ala Tyr Gln Val Ala Arg Gly Met Gln Tyr Leu Glu Ser Arg Lys Cys
289         595             600             605
292 Ile His Arg Asp Leu Ala Ala Arg Asn Val Leu Val Thr Glu Asp Asn
293     610             615             620
296 Val Met Lys Ile Ala Asp Phe Gly Leu Ala Arg Gly Val His His Ile
297 625             630             635             640
300 Asp Tyr Tyr Lys Lys Thr Ser Asn Gly Arg Leu Pro Val Lys Trp Met
301             645             650             655
304 Ala Pro Glu Ala Leu Phe Asp Arg Val Tyr Thr His Gln Ser Asp Val
305         660             665             670
308 Trp Ser Phe Gly Ile Leu Leu Trp Glu Ile Phe Thr Leu Gly Gly Ser
309         675             680             685
312 Pro Tyr Pro Gly Ile Pro Val Glu Glu Leu Phe Ser Leu Leu Arg Glu
313     690             695             700
316 Gly His Arg Met Asp Arg Pro Pro His Cys Pro Pro Glu Leu Tyr Gly
317 705             710             715             720
320 Leu Met Arg Glu Cys Trp His Ala Ala Pro Ser Gln Arg Pro Thr Phe
```

```
321                     725                 730                 735
324 Lys Gln Leu Val Glu Ala Leu Asp Lys Val Leu Leu Ala Val Ser Glu
325             740                 745                 750
328 Glu Tyr Leu Asp Leu Arg Leu Thr Phe Gly Pro Tyr Ser Pro Ser Gly
329         755                 760                 765
332 Gly Asp Ala Ser Ser Thr Cys Ser Ser Ser Asp Ser Val Phe Ser His
333         770                 775                 780
336 Asp Pro Leu Pro Leu Gly Ser Ser Ser Phe Pro Phe Gly Ser Gly Val
337 785                 790                 795                 800
340 Gln Thr
```

VERIFICATION SUMMARY   DATE: 04/04/2007
PATENT APPLICATION: **US/10/649,413A**   TIME: 14:56:25

Input Set : **N:\efs\04_04_07\10649413A_efs\224160_ST25_2.txt**
Output Set: **N:\CRF4\04042007\J649413A.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date